

### Claims

1. Conjugate of a tissue non-specific alkaline phosphatase (tns-AP) and dextran obtainable by reacting unglycosylated tns-AP with activated dextran in aqueous solution, stopping the reaction and isolating the conjugate from the solution.  
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2. Conjugate as claimed in claim 1, characterized in that a tns-AP is used as the unglycosylated tns-AP which has been obtained by recombinant expression of a nucleic acid coding for tns-AP in a prokaryotic cell.
3. Conjugate as claimed in claim 1 or 2, characterized in that a dextran having  
10 an average molecular weight of 10 – 500 kDa is used.
4. Process for producing a conjugate by reacting unglycosylated tns-AP with activated dextran by incubation in an aqueous solution, stopping the reaction and isolating the conjugate from the solution.
5. Process for producing a conjugate as claimed in claim 4, characterized in  
15 that a tns-AP is used as the unglycosylated tns-AP which has been obtained by recombinant expression of a nucleic acid coding for tns-AP in a prokaryotic cell.
6. Process for producing a conjugate as claimed in claim 4 or 5, characterized in that a dextran having an average molecular weight of 10 – 500 kDa is  
20 used.
7. Process for producing a conjugate as claimed in claims 4 to 6, characterized in that the dextran is activated with CDAP or CNBr.
8. Process for producing a conjugate as claimed in claims 4 to 7, characterized in that unglycosylated tns-AP and activated dextran are used for the said  
25 reaction in a ratio of 1:2 to 1:500.
9. Use of a conjugate as claimed in claims 1 – 3 as standard in a method for the quantitative determination of alkaline phosphatase.

10. Use of an unglycosylated tns-AP to produce a conjugate of unglycosylated tns-AP and dextran.